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App. No.: 10/615,158

Inventor: Jeffery P. Gilbard et al.

Docket No.: AVR-005

Title: EPA AND DHA ENRICHED OMEGA-3 SUPPLEMENT FOR THE TREATMENT OF DRY EYE MEIBOMIANITIS AND

XEROSTOMIA

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Fig. 1

DHA Biosynthesis (N-3 Pathway)

A-Linolenic Acid [18:3n-3]

[9, 12, 15]

delta 6 desaturation

Octadecatetraenoic Acid [18:4n-3]

[6, 9, 12, 15]

elongation

Eicosatetraenoic Acid [20:4n-3]

[8, 11, 14, 17]

delta 5 desaturation

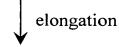
Eicosapentaenoic Acid (EPA) [20:5n-3]

[5, 8, 11, 14, 17]

elongation

Docosapentaenoic Acid [22:5n-3]

[7, 10, 13, 16, 19]



Tetracosapentaenoic Acid [24:5n-3]

[9, 12, 15, 18, 21]



Tetracosahexaenoic Acid [24:6n-3]

[6, 9, 12, 15, 18, 21]

beta-oxidation

Docosahexaenoic Acid (DHA) [22:6n-3]

[4, 7, 10, 13, 16, 19]

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